Translation of Claims as Amended Under Article 19

1. Piezoelectric transformer with at least two ceramic layers, containing a hard piezoelectric material, and with an electrode layer that contains copper disposed between the two ceramic layers.

2. Transformer according to Claim 1,
made of ceramic green films containing a thermohydrolytically decomposable binder.

3. Transformer according to Claim 2,
in which the binder is a polyurethane dispersion.

4. Transformer according to one of Claims 1 to 3,
in which the piezoelectric ceramic material has the general composition $Pb(Zr_xTi_{1-x})O_3$,
wherein part of Zr or Ti is replaced by a low-valent cation of the oxidation level 1+ or 2+.

5. Transformer according to one of Claims 1 to 4,
in which the piezoelectric ceramic material has the general composition $Pb(Zr_xTi_{1-x})O_3$,
wherein part of Pb is replaced by a low-valent cation of the oxidation level 1+.

6. Transformer according to one of Claims 1 to 4,
in which the ceramic composition has the general formula
$Pb[(Zr_xTi_{1-x})_{1-y}(Mn_{1/3}Nb_{2/3})_y]O_3$.

7. Transformer according to one of Claims 1 to 6,
in which the internal electrode is produced by means of screen printing.

8. Method for the production of a transformer, wherein a hard piezoelectric ceramic is sintered in an inert atmosphere.

9. Method according to Claim 8,
wherein the ceramic is sintered at a temperature below the melting point of copper.